Ottawa **Toronto** Milwaukee New York Detroit Cleveland Philadelphia Chicago Pittsburgh Columbus Washington DC Indianapolis Richmond Charlestor St. Louis Lexington Raleigh Nashville Knoxville Charlotte Memphis Charleston **Atlanta** 1 DAY'S DRIVE

Thank you for the Opportunity to speak at the 2023 ICC Outlook Conference











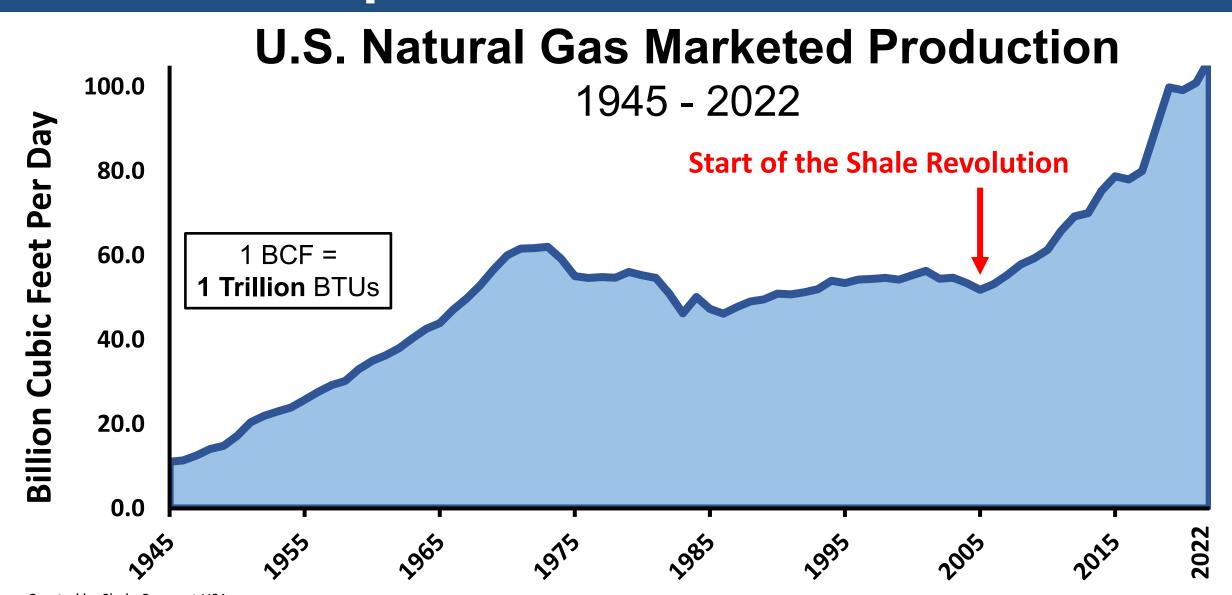
U.S. Investment Opportunities

Build on Top
Of the Feedstock

+

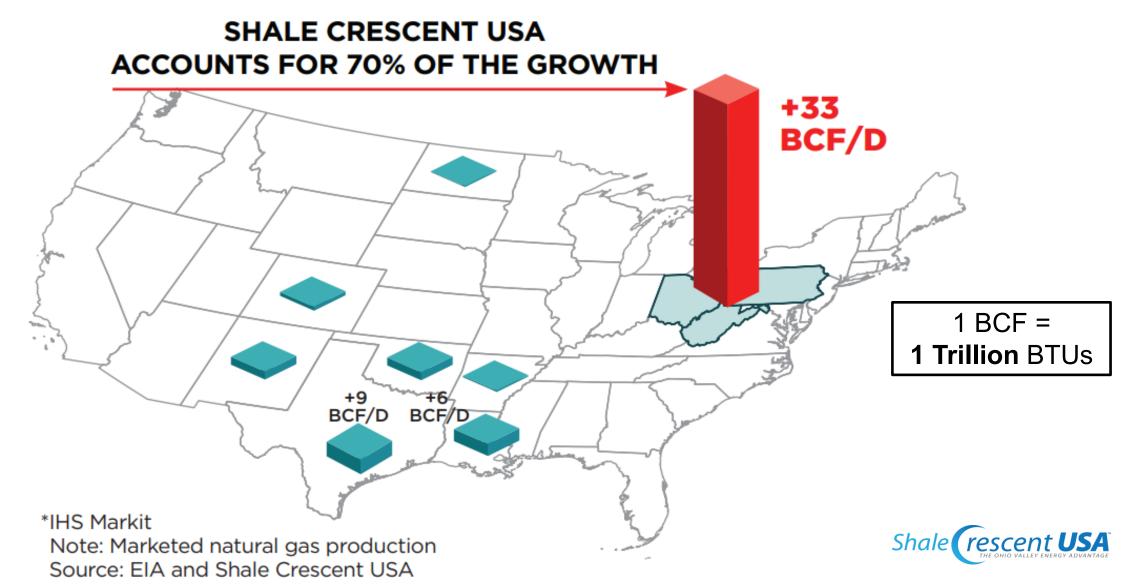
Build in the Center of Customers



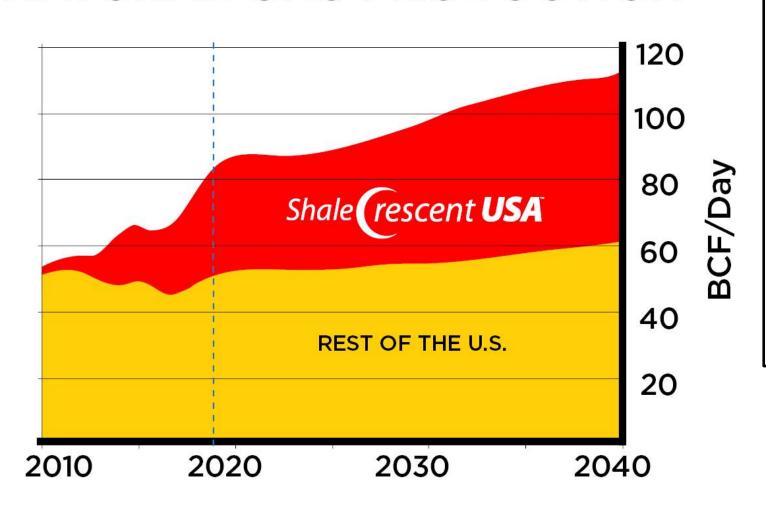




NATURAL GAS PRODUCTION 2008-2022



NATURAL GAS PRODUCTION

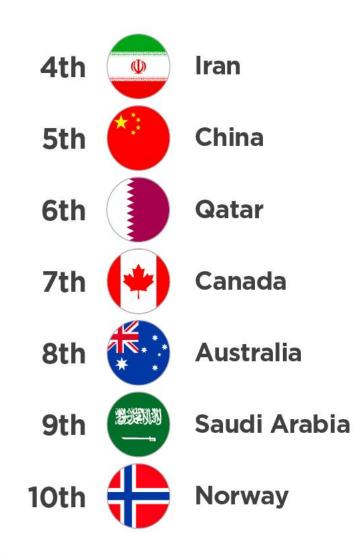


Shale Crescent USA is projected to produce 45% of all U.S. Natural Gas by 2040

1 BCF =1 Trillion BTUs

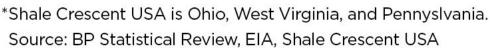






A new global leader in natural gas production:

- If Shale Crescent USA were a country, it would be the **3rd** largest producer of natural gas in the world.*
- These 9 countries produce nearly 70% of the natural gas in the entire world.





Build in the Center of Customers:

30% of Canadian population within a 1 day's drive

MARKET DEMAND

70% of North American Polyethylene demand is within a 1 day's drive*

SHORTEN SUPPLY LINES Ottawa Toronto Milwaukee New York Detroit Cleveland Philadelphia Chicago Pittsburgh Columbus Washington DC Indianapolis Charleston St. Louis Lexington Raleigh Nashville Knoxville Charlotte Memphis Charleston Atlanta **1 DAY'S DRIVE**

50% of the U.S. population is within a 1 day's drive

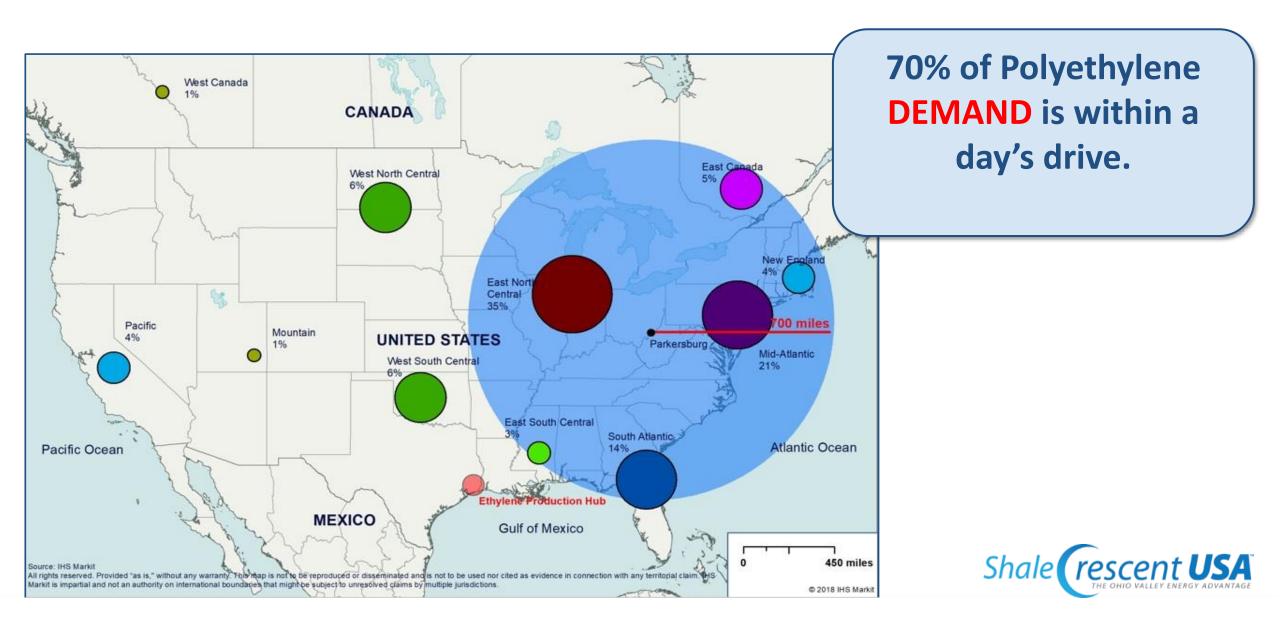
MARKET DEMAND

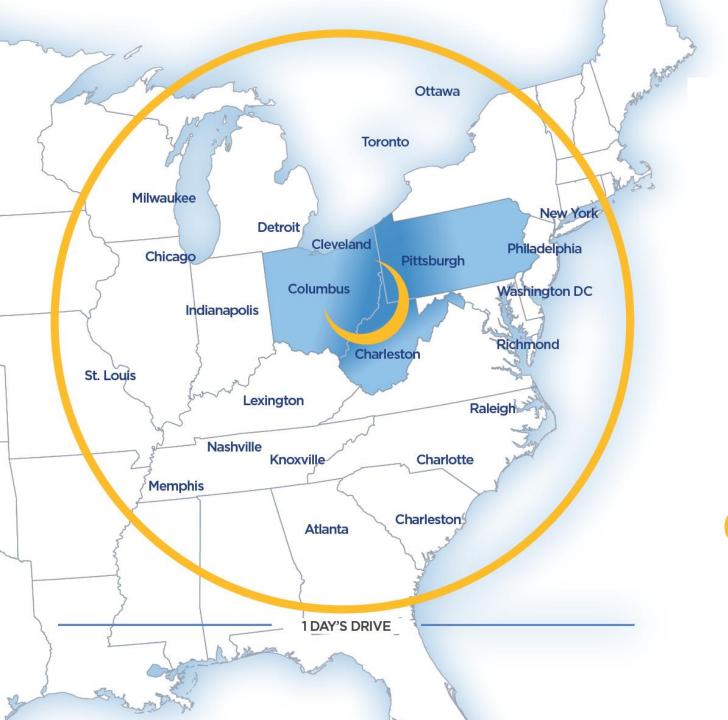
77% of North American Polypropylene demand is within a 1 day's drive*

*Source: IHS Markit



Build in the Center of Customers: Polyethylene





Profitability

Build on Top
Of the Feedstock

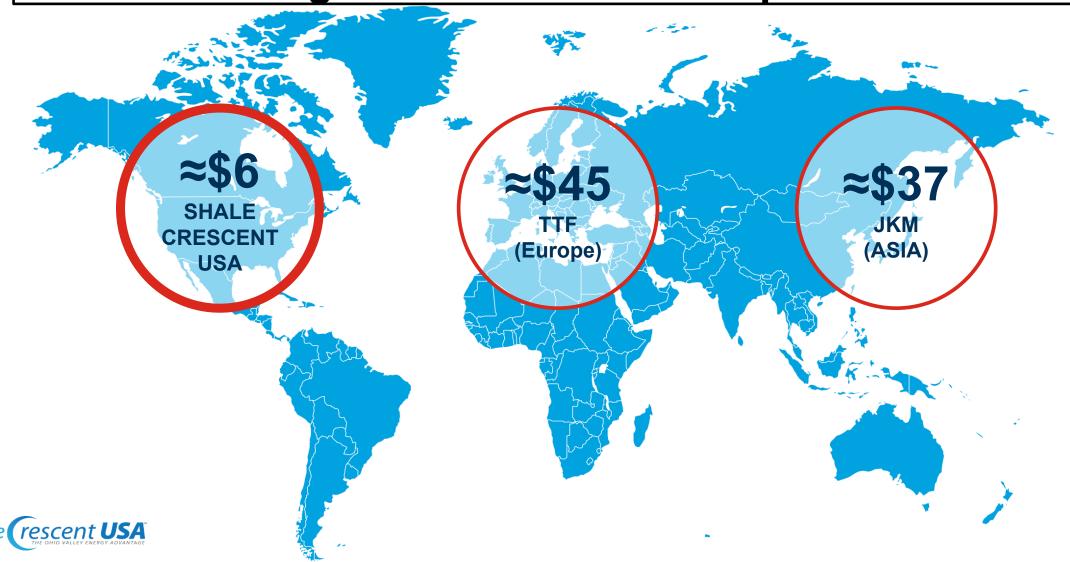
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Build in the Center of Customers

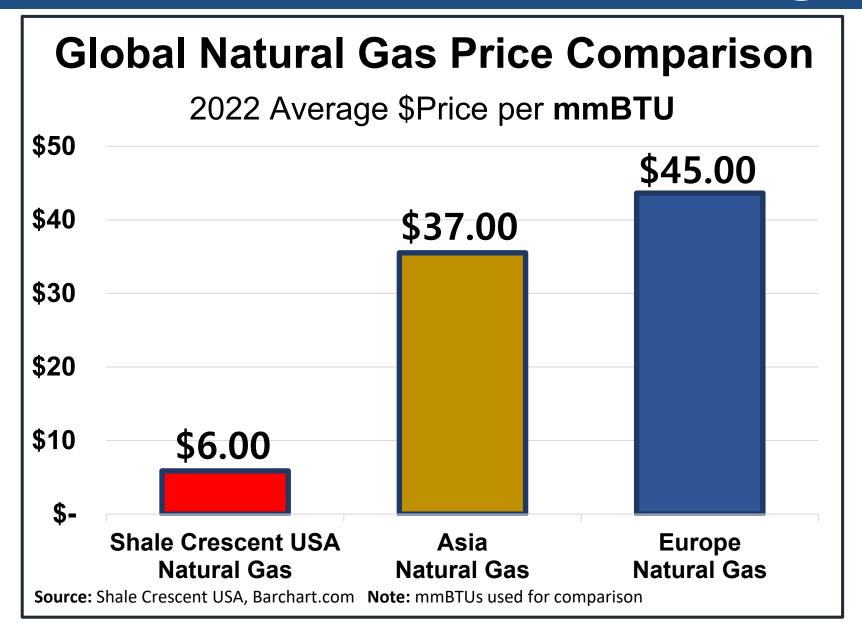


Profitability: Affordable Energy

2022 Average Natural Gas \$Price per mmBTU

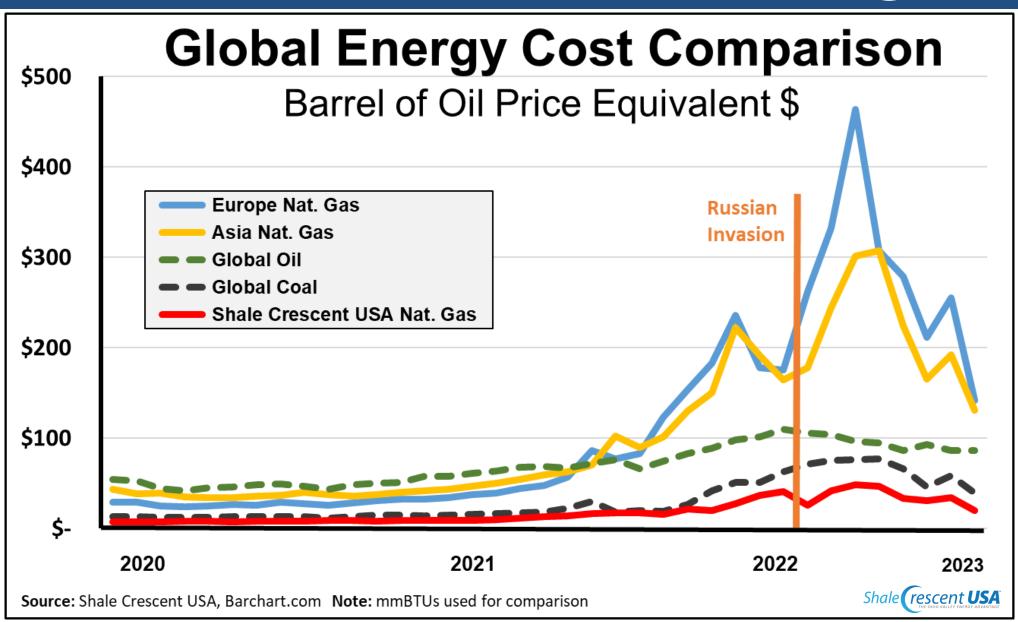


Profitability: Affordable Energy





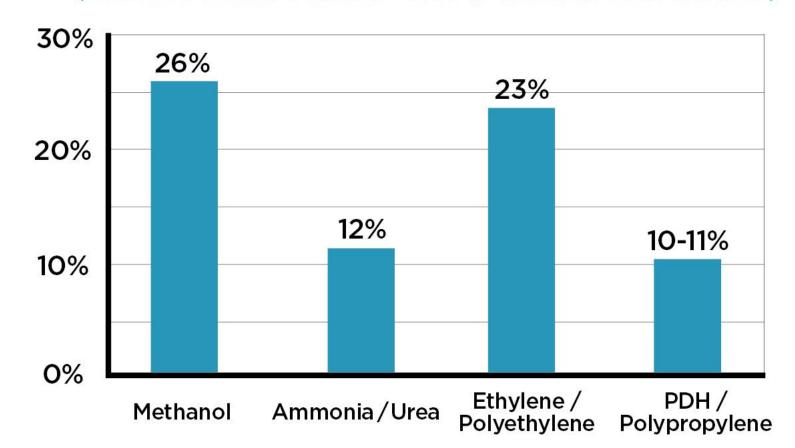
Profitability: Affordable Energy



Profitability: Cost of Manufacturing Advantage

SHALE CRESCENT USA COST ADVANTAGE VS. U.S. GULF COAST

(WHEN DELIVERED INTO SCUSA MARKET)

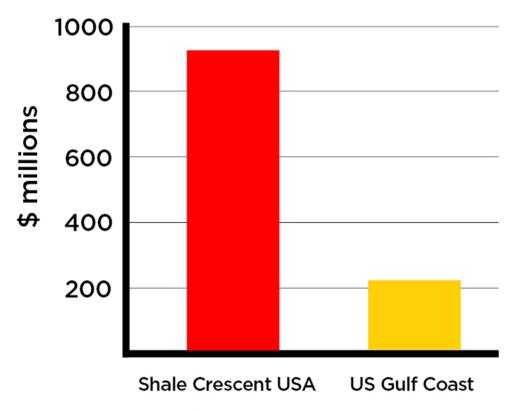




Profitability: PE Plant Manufacturing Advantage

NET PRESENT VALUE IN 2020 SHALE CRESCENT USA VS U.S. GULF COAST

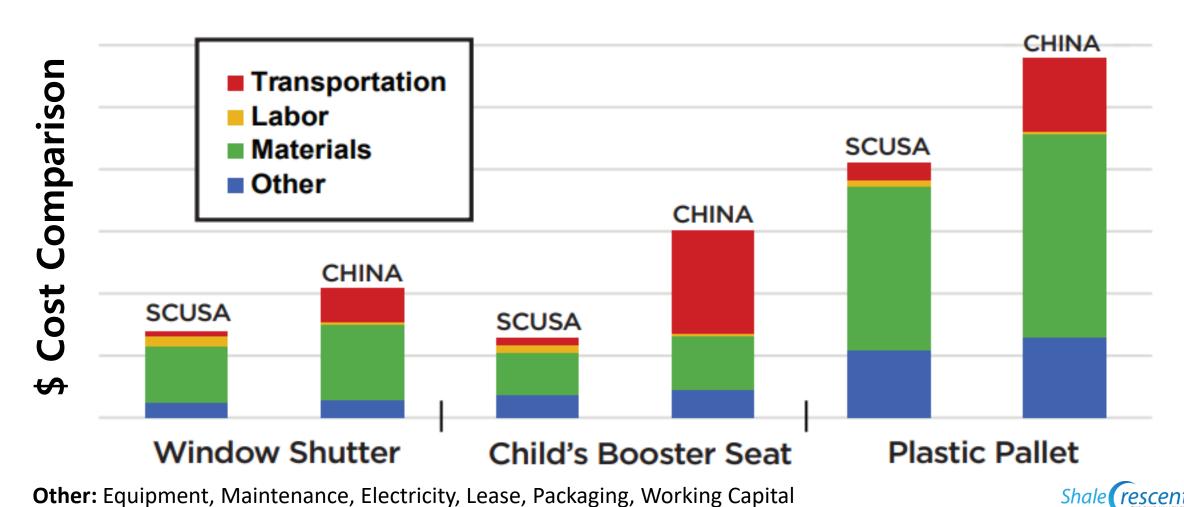
APPLYING A 15% DISCOUNT RATE





Profitability: Plastics Converter Cost Advantage

Ohio vs. China Cost of Manufacturing & Transportation



Water & Transportation Advantage:

ABUNDANT WATER FOR TRANSPORATION & PROCESSING



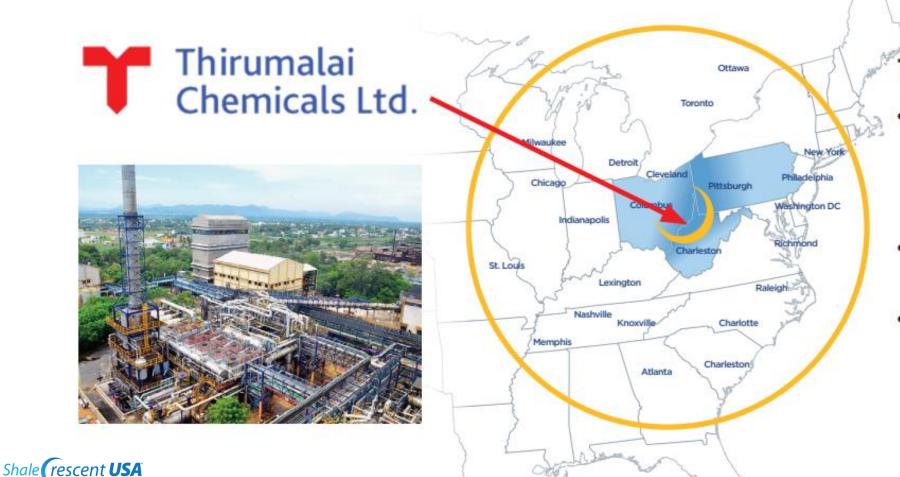


Manufacturers and businesses in the Shale Crescent USA have easy access to water for transportation and processing, via the Ohio River and its tributaries. The Ohio River discharges 180 billion gallons of water each day into the Mississippi River.



New Investments:

THIRUMALAI, STRATEGICALLY LOCATED IN SHALE CRESCENT USA.
CLOSE TO NGL SOURCES AND FINAL CUSTOMERS.



Thirumalai Chemicals

- World Class facility to produce Food Ingredients & Maleic Anhydride
- Production beginning mid-2024
- The investment will satisfy the growing demand in the US and reduce import dependence

World Class Companies:

Investing billions of \$Dollars in the Shale Crescent USA.

Shale (rescent **USA**



No Cost Consulting & Site Selection Services



American Electric Power

Provides comprehensive support for businesses relocating or expanding.

AEP's economic & business development team provides resources & services at no cost.

600 + Available Sites (Developed & Undeveloped)

Shale (rescent USA)
THE ONIO VALLEY ENERGY ADVANTAGE

Thank You & Contact Us For:

Powerful Research & Assistance to Capitalize on World-Class Opportunities

Nathan Lord (President) | NLord@shalecrescentusa.com | www.ShaleCrescentUSA.com



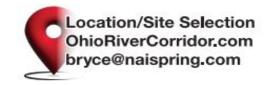
















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